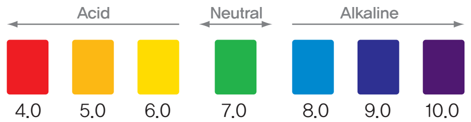
**Internet Homepage**
http://www.tyentgroup.com

■ We cannot and do not accept any responsibilities or liabilities if you replace or repair filters or parts with those not manufactured by our company.

■ This product is subject to slight specification changes without prior notice with the purpose of enhancing product performance.

## pH Comparison Chart



▣ **Measurement** : Catching 10–15 ml of test water and drop 2–3drops reagent. Then, mix well and check color of pH Comparison Chart in comparison with pH of water.(Color depends on water quality and reagent.)

CE CB

INNOBIZ
Innovation Business Association

Venture for Tomorrow

**MADE IN KOREA**

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TAEYOUNG E&T CO.,LTD.

Relevant Model
HI – 979S
HI – 959S
HI – 959

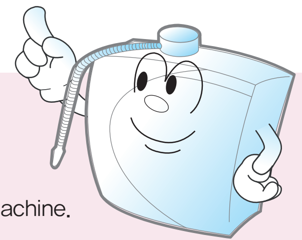
# ELITE

## WATER IONIZER

## User Manual

- Make sure to carefully read this User Manual before using this product.(Keep the manual handy for easy reference.)
- This product is intended for domestic use. To ensure proper use,make sure to read the User Manual.
- Make sure you read "Safety Warnings to ensure proper use.

## To our valued customers



Thank you for purchasing one of our products.

Make sure to read this manual carefully to ensure proper use of the product.

We are not responsible for any accidents and malfunctions due to improper use of this machine.

Please keep the manual and the warranty in a safe place, so that it will be easily reachable when you need it.

Please refer to this manual when you have any questions during the use or when this unit doesn't function properly.

## Intended use

This device was intended to create functional alkaline, ionized water. This device changes the properties of normal tap water through the use of electrolysis. The main changes in the water are as follows.

① Increased or decreased pH
② Oxidation reduction (ORP)
③ Smaller water clusters
④ Increased oxygen
⑤ Cleaning of water

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# Table of Contents

## CONTENTS

### Safety Precautions

To our valued customers
Intended use 2
Precautions before use 3
Regarding Power Supply 4
installation 5
Usage 6
Storage 7
Others 8

### Instruction

Name of parts 9
LCD Display by Product Feature 11
Product Features 15
Product Installation Method 17
Installation 19
Instruction 21
TURBO Function 23
Filter Configuration 25
Filter Replacement 27
Step–by–Step Direction for Using this Produc 29
Hot water sensing function 34
Product Specifications 34

### Service Information

Things to be confirmed before requesting after–sales service 37
Product Warranty 38

Safety precautions are provided for the safe and proper use of this product and can prevent danger or possible damage from the misuse. Make sure that you are familiar with the safety precautions for proper use of the product.

**"DANGER"**

The **"DANGER"** sign indicates an imminent hazard that could result in serious injury or death. If you see this signal, stop use of the unit.

**"WARNING"**

The **"WARNING"** sign indicates a potential hazard that could result in a significant injury to the body or damage to the unit. Please acknowledge this notice and stop use of the unit.

**"ATTENTION "**

The **"ATTENTION"** sign indicates a potential hazard that could result in minor injury to the body or damage to the unit.

## Precautions before use

Please follow all instructions when you drink the water from this device (hereinafter called "functional water" ) formed by electrolysis.

① Do not take medicines with alkaline ionized water. Use the Clean Water button for taking medication.

② Always consult your doctor before drinking, and only drink a small amount for the first week at a level that is not too far above a neutral pH. This gives your body time to adjust to the water during the detoxification process.

③ If you notice any negative effects from drinking the water from this device, stop drinking it immediately and consult with your doctor about changes in your bodies pH levels.

④ If you are currently under a doctor's care for an existing condition, consult with your doctor about how changes in pH and other characteristics of alkaline ionized water could affect your condition.

⑤ Those who have suffer from anacidity, kidney failure, or excretion of potassium should not drink alkaline ionized water.

⑥ It is a good practice to verify the pH of the water dispersed from this device on a monthly basis to ensure proper function. This can be done with the supplied reagent drops or a pH meter.

⑦ It is a good practice to let the water run for several seconds when switching from one ph level to another.

⑧ A good rule of thumb is to drink half of your body weight in ounces. This rule applies after you have given your body some time to adjust to the new pH levels.

⑨ 9.5–9.8 pH is the recommended drinking level for alkaline ionized water. It is not recommended that you consume water that is above a 10 pH.

⑩ If you wish to store the functional water, follow the tips below.
– Store in the refrigerator
– Store in glass, stainless steel, or other non-leaching material
– The water will begin to lose strength after 3 days.

⑪ Never run hot water through this device.

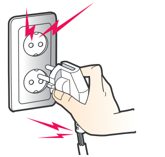
⑫ Never drink acidic water.

# Safety precautions

## Regarding Power Supply

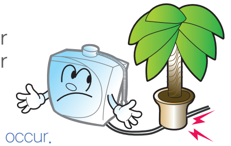
Do not use a damaged power cord or loose connector.

otherwise, electric shock or fire may occur.



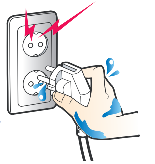
Do not forcibly bend the power cord and make sure the power cord isn't squeezed, damaged or crushed by heavy objects.

Otherwise, electric shock or fire may occur.



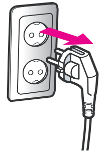
Do not pull the power cord, and never touch it with wet hands.

otherwise, electric shock or fire may occur.



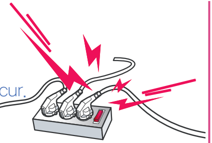
Unplug the power cord during the product repair, inspection and parts replacement.

Otherwise, electric shock or fire may occur.



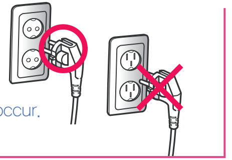
Use a dedicated connector per outlet for each electrical product.

Otherwise, electric shock or fire may occur.



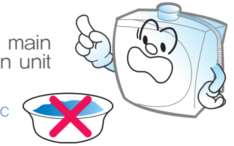
Only use the device with the indicated voltage.

Otherwise, electric shock or fire may occur.



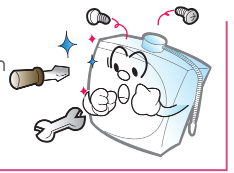
Do not spray water onto the main unit or do not clean the main unit with damped cloth.

Otherwise, a short circuit or electric shock may occur.



Do not disassemble or refurbish this product at your discretion.

Otherwise, electric shock or damage to the product may occur and your warranty will be void.

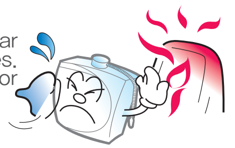


Safety precautions are provided for the safe and proper use of this product, and prevent danger or possible damage from the misuse.
Make sure that you are familiar with the safety precautions for proper use of the product.

## installation

Do not install this product near heat generating appliances. Never place a candlelight or cigarette on this product.

Otherwise, fire may occur.

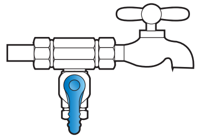


Do not use raw water unfit for the standards of water service act.

Otherwise, a failure may occur.

Do not connect the water line to the hot water supply.

Otherwise, a failure or an accident may occur. (Be sure to connect water line to the cold water supply.)

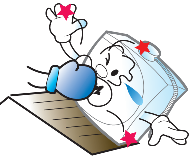


Do not use in a place with high humidity or a high temperature.

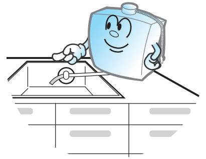
Otherwise, a failure or accident may occur.

Do not install this product in an uneven location and do not apply excessive force or impact to this product.

This may cause physical injuries and damage to the product.

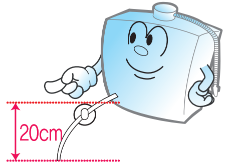


Install this product around the sink and always to allow water to be drained into the sink.



Install the acidic water outlet hose within the height of the product. Make sure the end of the hose is installed in such a way that it is less than 20cm from the bottom ofthe product.

Otherwise, product performance can be degraded, and residual water may remain unextracted.

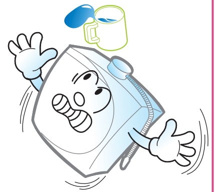


# Safety precautions

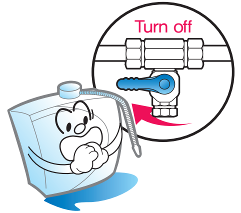
## Usage

Do not place any liquids or other objects on top of this device.

This may cause electric shock or fire if it gets into the product.

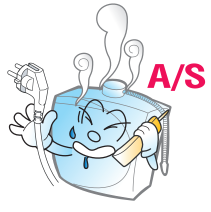


If water flows out of the product (other than hoses) or water is present around the product, shut off the water supply, pull the power cord and contact our service center.



If any strange noise, burning odor, or smoke is generated from the product, unplug the power connector immediately and contact our service center.

Otherwise, fire may occur.

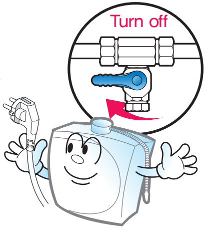


Replace filters according to filter replacement cycles to ensure clean water. When a filter that has reached the end of its life cycle is still in use, purification performance and product life will be affected (Replacement cycle: primary filter: 6 months, secondary filter: 6 months).

Please replace filters approximately every 6 months to optimize the purification performance of this product even if the filter replacement indicator lamp isn't turned on.

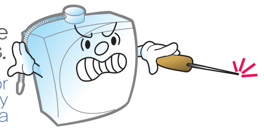
In the case where raw water isn't used over a long period, lock the raw water valve and pull the power cord out.

Otherwise, electric shock, electric fires or leaks can occur.



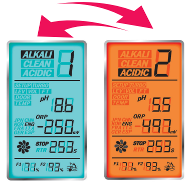
Never poke or scratch the touch pad with sharp objects.

Otherwise, electric shock or damage to the product may occur. (Give a light touch with a finger to the touch screen.)

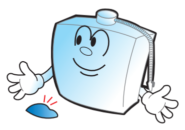


Safety precautions are provided for the safe and proper use of this product, and prevent danger or possible damage from the misuse.
Make sure that you are familiar with the safety precautions for proper use of the product.

If alkali water is used over a long period of time, some problems may occur in the product. In such situations, use acidic water.
The same holds true for the opposite case.

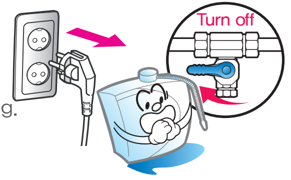


Condensed water may flow out of the product during humid summer months. This is normal for the product. However, if condensed water keeps flowing out of the product even in the cold weather, please contact our service center due to possible leakage.



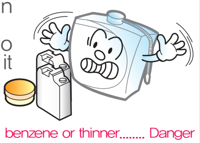
## Storage

Turn off the raw water supply valve and unplug.

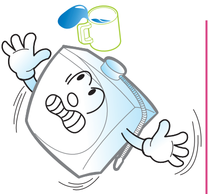


Pull the power cord when clean the unit.
Do not spray water directly onto the power cord or do not clean it with benzene or chemicals.

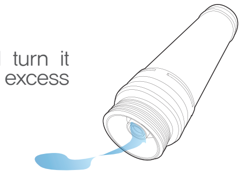
That may cause electric shock, fire or damage to this product.



Do not place a vessel filled with water, pharmaceuticals, food, and small metals on this product, which, if introduced into the product, may cause electric shock and/or electric fires.



Remove the filters, and turn it upside down to remove excess water before storing.



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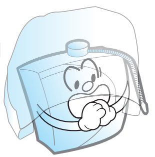
# Safety precautions

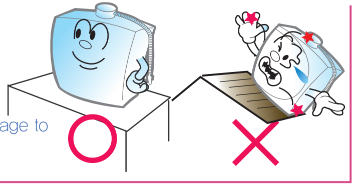
Cover the device in plastic to avoid scratching the surface.

That may cause damage to the product.



Place the product on a level surface.

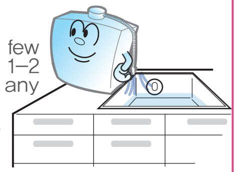
That may cause damage to the product.



## Others

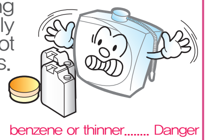
If the unit is not used for a few days, let the water run for 1–2 minutes before consuming any water from it.

That may cause electric shock or fire.

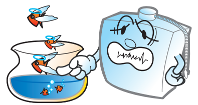


Pull the power cord when cleaning the unit. Do not spray water directly onto the power cord and do not clean it with benzene or chemicals.

This may cause electric shock, fire or damage to this product.

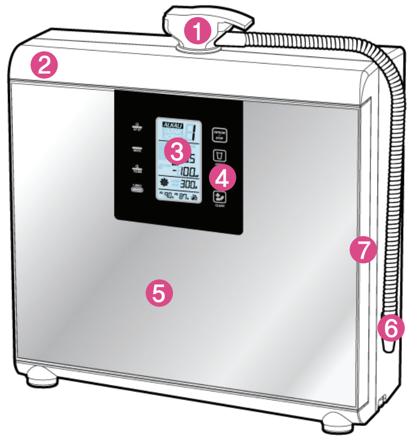


Do not use alkaline or acidic water in fish bowls or aquariums. The sudden change in PH could be harmful or fatal to fish.

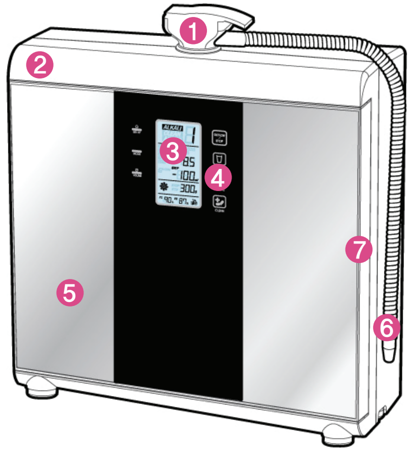


## Model No. ( HI–979S, HI–959S )

### Front View HI–979S



### Front View HI–959S



① Water Outlet Unit
② Front Case
③ LCD Display
④ Operation Display

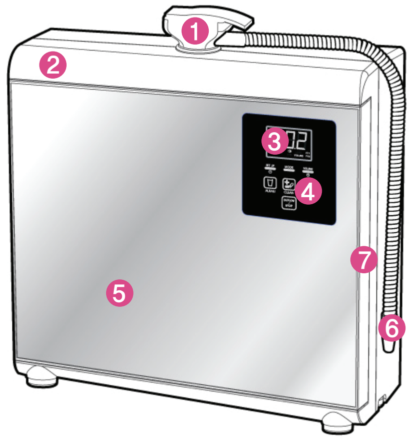
⑤ Front Cover
⑥ Water Outlet Tube
⑦ Front Door Case

① Water Outlet Unit
② Front Case
③ LCD Display
④ Operation Display

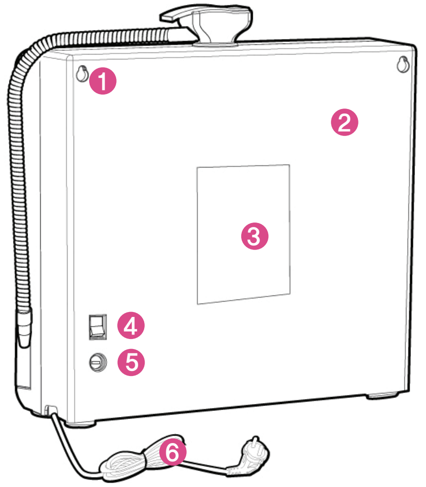
⑤ Front Cover
⑥ Water Outlet Tube
⑦ Front Door Case

## Model No. ( HI–959 )

### Front View HI–959



### Rear View (All Model)



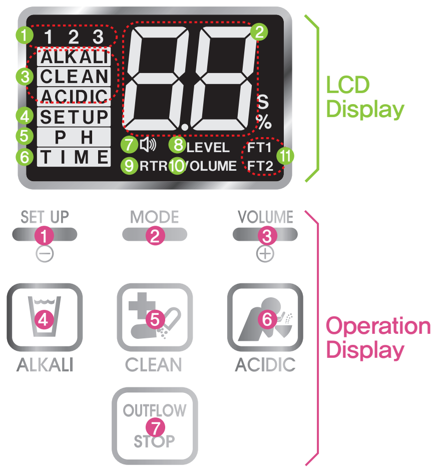
① Water Outlet Unit
② Front Case
③ LCD Display
④ Operation Display

⑤ Front Cover
⑥ Water Outlet Tube
⑦ Front Door Case

① Hanging Groove
② Rear Case
③ Product Sticker

④ Power Switch
⑤ Fuse
⑥ Power Cord

## Model No. ( HI-959 )


1 2 3
ALKALI
CLEAN
ACIDIC
SETUP
P H
TIME
LEVEL FT1
RTR VOLUME FT2
S
%
LCD Display
SET UP
MODE
VOLUME
ALKALI
CLEAN
ACIDIC
OUTFLOW STOP
Operation Display

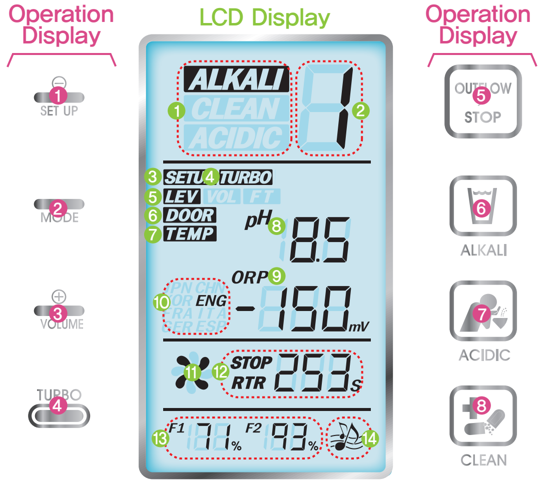
### Operation Display

1. System Setup
2. Mode Setting
3. Volume Adjustment
4. Alkali Level Setting
5. Purifier Water
6. Acidic Level Setting
7. Water Outflow ON/OFF

### LCD Display

1. Selected Level
2. Select Display
3. Selected Mode
4. System Setup
5. pH
6. Time indicator
7. Voice on/off
8. Level
9. RTR (Cleaning function)
10. Volume
11. 1st/ 2nd filter life

## Model No. ( HI-979S )


Operation Display
LCD Display
Operation Display
SET UP
MODE
VOLUME
TURBO
ALKALI
CLEAN
ACIDIC
SETUP
TURBO
LEV
VOL
FT
DOOR
TEMP
pH
8.5
ORP
-150mV
ENG
STOP
RTR
253s
F1
71%
F2
93%
OUTFLOW STOP
ALKALI
ACIDIC
CLEAN

### Operation Display

1. System Setup
2. Mode Setting
3. Voice ON/OFF
4. Turbo Function(HI-979s)
5. Water Outflow ON/OFF
6. Alkali Level Setting
7. Acidic Level Setting
8. Purifier Water

### LCD Display

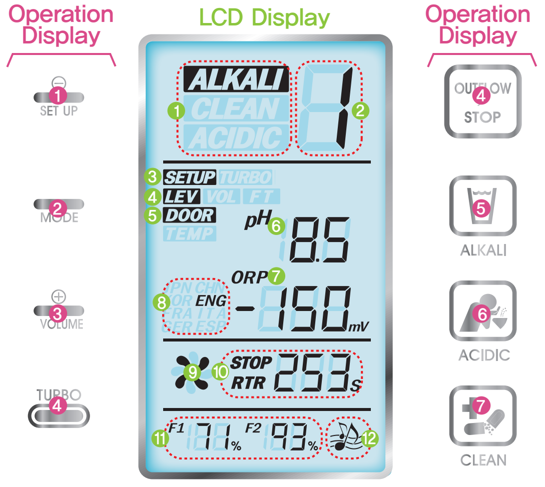
1. Selected mode
2. Selected Level
3. System Setup
4. Turbo(HI-979S)
5. Power Adjust
6. Door open
7. Temperature error
8. pH Leve
9. ORP Level
10. Selected Language
11. Working indicator
12. Time indicator

※RTR(Cleaning function)

13. 1st/ 2nd filter life
14. voice on/off

# LCD Display by Product Feature

## Model No. ( HI-959S )


Operation Display
LCD Display
Operation Display
SET UP
MODE
VOLUME
TURBO
ALKALI
CLEAN
ACIDIC
SETUP
TURBO
LEV
DOOR
TEMP
pH
8.5
ORP
-150mV
ENG
STOP
RTR
253s
F1
71%
F2
93%
OUTFLOW STOP
ALKALI
ACIDIC
CLEAN

### Operation Display

1. System Setup
2. Mode Setting
3. Voice ON/OFF
4. Water Outflow ON/OFF
5. Alkali Level Setting
6. Acidic Level Setting
7. Purifier Water

### LCD Display

1. Selected mode
2. Selected Level
3. System Setup
4. Power Adjust
5. Door open
6. pH Leve
7. ORP Level
8. Selected Language
9. Working indicator
10. Time indicator

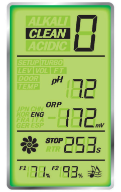
※RTR(Cleaning function)

11. 1st/ 2nd filter life
12. voice on/off

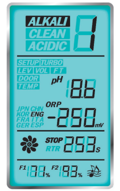
## Model No. ( HI-979S, HI-959S )

### ▶NOTICES

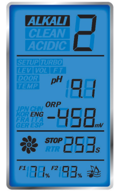
When alkaline water(1.2.3.), Clean water and acidic water(1.2.3.) buttons are selected, back-light is turned on the same as standard colorimeter paper.



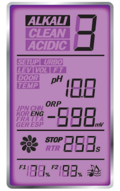
Clean Water
Green Back-Light



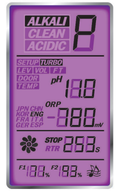
Alkaline Water 1
Bluish Green Back-Light



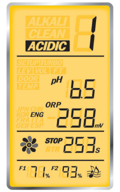
Alkaline Water 2
Blue Back-Light



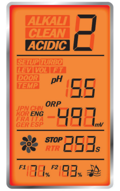
Alkaline Water 3
Violet Back-Light



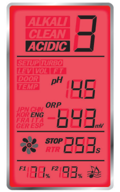
TURBO Alkaline Water
Violet Back-Light
(HI-979S)



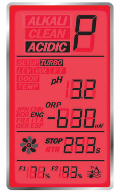
Acidic Water 1
Yellow Back-Light



Acidic Water 2
Orange Back-Light



Acidic Water 3
Red Back-Light



Clean Acidic Water
Red Back-Light
(HI-979S)

## SYSTEM SETUP METHOD

▶System setup is a function used when selecting the PH level control/volume control, and language selection modes.

▶ Whenever you push the "Mode" button, you can change "PH level control→volume control→language selection (return)" in sequence.

SET UP level up

VOLUME level down

### ▶ pH Level Adjustment

1. Change the mode to the system setup mode by pressing the "setup" button for 3 seconds.
   Voice Message : " system setup mode."
   LCD color : " white " ," SETUP " icon(Light).
2. Select the "PH level control mode" by pressing the "Mode" button.
   LCD : HI – 979S & HI – 959S = "LEV" icon(Blinking), HI – 959 = "LEVEL" icon(Blinking)"
3. Select the desired phase by using the "Alkali" or "Acidic button.
   ALKALI : 1→2→3 (RETUNE)
   ACIDIC : 1→2→3 (RETUNE) [Model No. : HI–979S, 959S]
   ACIDIC : 1→2 (RETUNE) [Model No. : HI–959]
   TURBO : "Alkali" or "Acidic" [Model No. : HI–979S]
4. Control the phase by using the "+" or "–" button.
   The supply current value of an electrolytic cell appears on the PHvalue panel display of LCD.(0~6A).
5. Press the "Setup" icon for 3seconds to complete the setup.
   Voice Message : " setup was completed."

### ▶ Volume Level Adjustment

1. Change the mode to the system setup mode by pressing the "setup" button for 3 seconds.
   LCD : "SETUP"icon(Light)

## SYSTEM SETUP METHOD

2. Select the " volume control mode" by pushing the "Mode" button.
   LCD : HI – 979S & HI – 959S = "VOL" icon(Blinking), HI – 959 = "VOLUME" icon(Blinking)
   The current volume percentage(%) appears on the PHvalue panel display of LCD.
3. Control the phase by using the "+" or "–" button.
   The selected volume percentage(%) appears on the PHvalue panel display of LCD.
4. Press the "Set up" icon for 3seconds to complete the setup.
   Voice Message : " setup was completed."

### ▶ Select Language

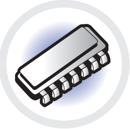
1. Change the mode to the system setup mode by pressing the "setup" button.
   LCD : " SETUP " icon (Lighting).
2. Select the " volume control mode" by pushing the "Mode" button.
   LCD : " current setup language(KOR/ENG..) " icon (Blinking)
3. Control the phase by using the "+" or "–" button.
   The voice is presented in the selected language.

① [Model No. :HI–979S, HI–959S] 1.KOR 2.ENG 3.JPN 4.CHN 5.GER 6.ESP
If you want to change from English to Japanese: Push the "+" button once.
② [Model No. :HI–959] L1 : KOR, L2 : ENG, L3 : JPN, L4 : CHN
If you want to change from English to Korean: Push the "–" button again.

4. Press the "Setup" icon for 3seconds to complete the setup.
   Voice Message : " setup was completed."

This product features a combination of highly advanced technology, elegant design, and advanced electronic control unit, providing ease of operation and excellent performance.

## Features



### ■ Fully automatic system with embedded Central Processing Unit (CPU)

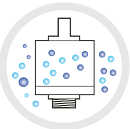
Every aspects of producing electrolytic water is controlled by the CPU chip that automatically finds an optimal operating condition using flow rates and water quality

### ■ Voice announcement

Voice announcements for different functions and safety warning voice announcements ensure safe and convenient use.

### ■ Sensible and Elegant Design

This product uses a compact and an elegant design to blend with the interior of the kitchen.

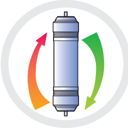


### ■ Advanced water purifying filter system

The advanced performance primary filter and functional secondary filter enable optimal purifying conditions for tap water.

### ■ Automatic water outflow

Merely pressing the touch button allows you to extract water or stop the flow of water.



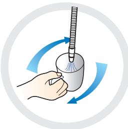
### ■ Filter replacement cycle.

Replacement cycle display and announcement for filters.

This product is designed to indicate to you when it is time to change your filters. Remember 6 months is the best rule of thumb for filter replacement.

### ■ LCD, RGB Color back light [HI-959S, HI-979S]

The RGB color backlight on the LCD allows you to distinguish alkali water from acidic water.

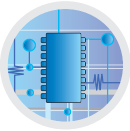


### ■ Automatic Extraction/Stop Function

15 minutes after a function is selected, water outflow is stopped to prevent overflow or flooding. There is no need to wait if the device automatically shuts off. You can resume use immediately.

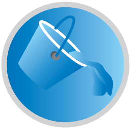
---

# Product Features



### ■ SMPS Type Power Supply

A CPU monitors the power supplied to different parts of the unit, thereby ensuring this product is used in an efficient manner.



### ■ RTR(Real Time Refresh) cleaning function

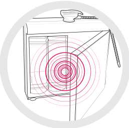
Allows for cleaning the inside of the electrolytic cell.

### ■ Temperature sensing function [HI-979S]

This device is equipped with a temperature sensor which, prevents the accidental inflow of hot water.

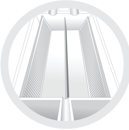
### ■ TURBO Function [HI-979S]

Strong acid water and strong alkaline water with sterilizing, anti-bacterial cleaning power is generated.



### ■ Door opening sensing function.

When the door of the product opens, the supply of raw water is automatically shut off.



### ■ Round mesh electrode

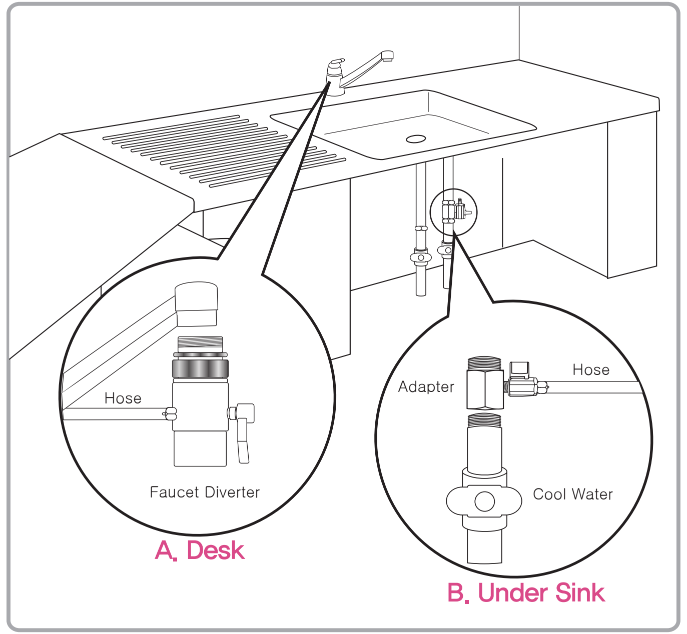
The use of new materials of platinum coated titanium for the electrodes of the electrolytic cell, the core part of the water ionizer appliance, extends its life span and heightens the ratio of generating hydrogen.

## Safety Function

- ■The outflow water stops automatically when inflow water is not supplied.
- ■This function prevents the electrolyte cell and power supply unit from being damaged due to overflow of current.
- ■This function causes water outflow to stop automatically to prevent water from being wasted and to prevent accidental water leaks.

Prior to installation, make sure to check the following fittings.

## Installation of a tube in the wall-mounted faucet



A. Desk

B. Under Sink

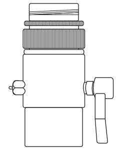
1. Lock the main valve on the water pipe.
2. Separate the tap from the water pipe.
3. Turn the adapter to allow it to be fitted in the water pipe.
4. Assemble the tap back into the adapter.
5. Connect the valve to the adapter before connecting the water inlet hose to the nipple.

---

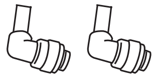
# Product Installation Method

## Contents

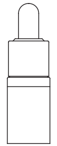
▶ Name: Water Outlet Tube
▶ Q'TY: 1



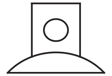
▶ Name: Faucet Diverter
▶ Q'TY: 1



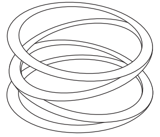
▶ Name: Stem Elbow
▶ Q'TY: 2



▶ Name: pH Reagent Bottle
▶ Q'TY: 1



▶ Name: Tube Fixing
▶ Q'TY: 2

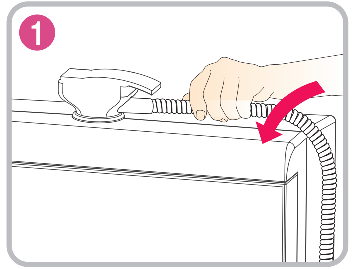


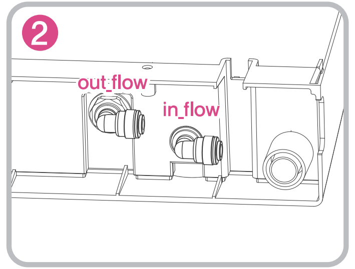
▶ Name: HOSE
▶ Q'TY: 2.5m

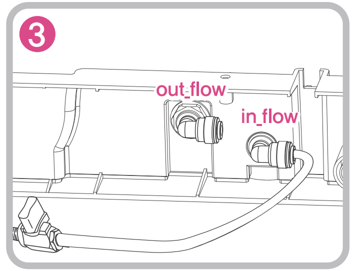
**The Others** ▶ User Manual 1EA

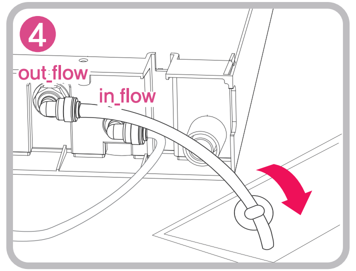
※ To make the best functionality, there may be a some changes without notices.

## Installation Procedure









① Place the unit on the planned installation location and screw the flexible tube clockwise tightly to the water outlet hole positioned on the top of the unit. Do not over tighten.

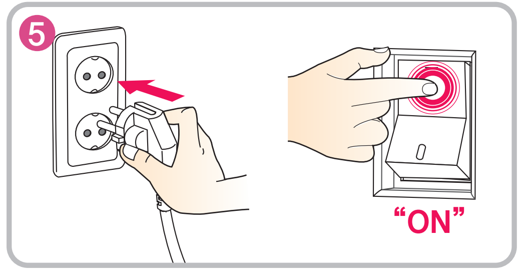
② Press the stem elbow into the water in flow/out flow hole located on the bottom of the unit until you hear a click

③ Measure the length between the location where the device will be located (on counter) and the water faucet where the diverter (adapter) will be installed. Cut a sufficient length of hose to allow it to be connected to the water supply inlet on the rear of the unit (from faucet to the unit).

※Make sure that you keep the length under 5 meter between the unit and the water faucet. You may have to use the pressure pump or larger hose size to connect water line if water pressure is too low. It is a good idea to leave a few extra inches of length so faucet can still be rotated.

④ Cut a 50–to–70cm length of drain hose and connect it to the drain on the rear of the product. Make sure the drain hose is positioned lower than the product.

## Installation Procedure



⑤ Plug in the device.
(If power is applied, the melody "ding dong dang" comes in.)

## ⚠ Attention

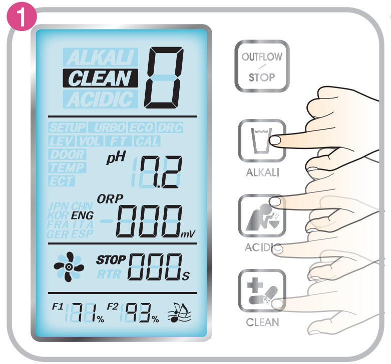
### In the event of a power failure

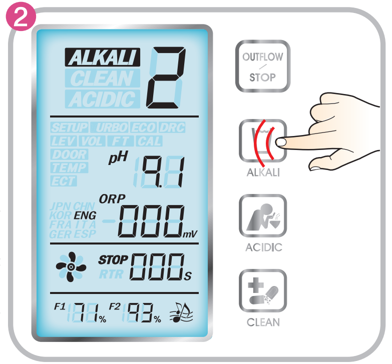
- ▶ In the case of a power failure during the use, the product will stop functioning.
- ▶ Unplug the power cord from the wall outlet and shut off the water supply.

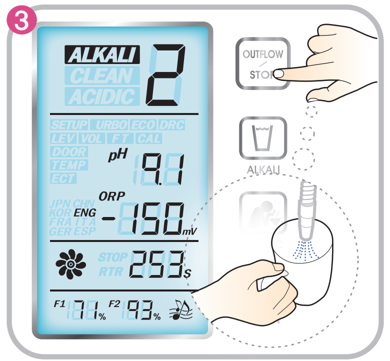
### In the event of suspension of water supply

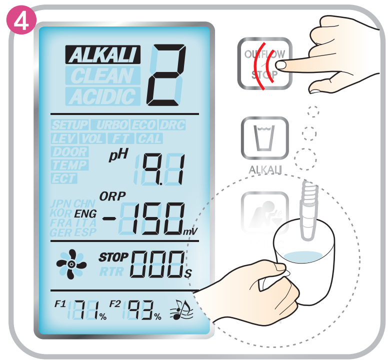
- ▶ The product can not be used.
- ▶ Check to make sure your water supply is turned on.
- ▶ If problem persist call for support.
  (If air or foreign matter gets into the main unit, filter life may be shortened)

## Direction for Selecting Functions [HI–979S, HI–959S]


1
ALKALI
CLEAN
ACIDIC
0
pH 7.2
ORP 000 mV
STOP 000 s
OUTFLOW STOP
ALKALI
ACIDIC
CLEAN


2
ALKALI
CLEAN
ACIDIC
2
pH 9.1
ORP 000 mV
STOP 000 s
OUTFLOW STOP
ALKALI
ACIDIC
CLEAN


3
ALKALI
CLEAN
ACIDIC
2
pH 9.1
ORP -150 mV
STOP 253 s
OUTFLOW STOP
ALKALI


4
ALKALI
CLEAN
ACIDIC
2
pH 9.1
ORP -150 mV
STOP 000 s
OUTFLOW STOP
ALKALI

### ❶ Select Mode

Select all the desired mode buttons of alkaline water, acid water, clean water

*Selection condition appears on the LCD window.

### ❷ Select Level

Step is changed whenever you press the **selected mode.**

*Selection condition appears on the LCD window.

### ❸ Water Outflow

Start water flow by pressing the water f**low on/off button.**

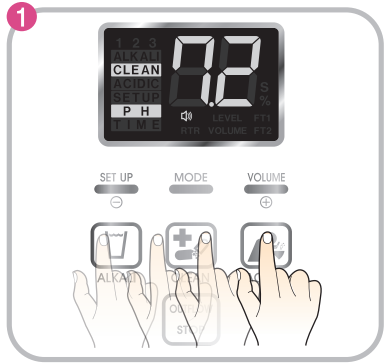
*Water flow condition and time appear on the display window.

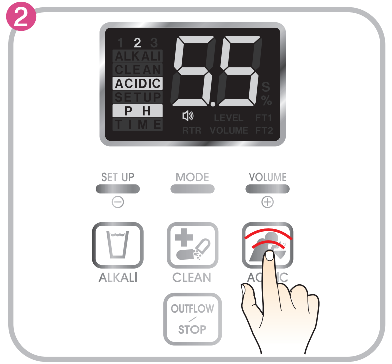
### ❹ Water Outflow Stop

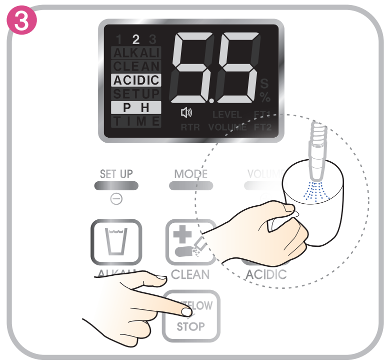
Stop water flow by pressing the water f**low on/off button.**

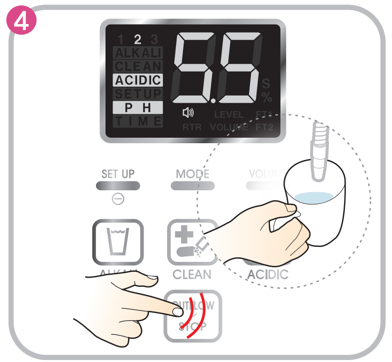
*Water flow condition and time appear on the display window.

## Direction for Selecting Functions [HI–959]


1
CLEAN
PH
7.2
SET UP
MODE
VOLUME
ALKALI
OUTFLOW STOP


2
ACIDIC
PH
5.5
SET UP
MODE
VOLUME
ALKALI
CLEAN
ACIDIC
OUTFLOW STOP


3
ACIDIC
PH
5.5
SET UP
MODE
ALKALI
CLEAN
ACIDIC
OUTFLOW STOP


4
ACIDIC
PH
5.5
SET UP
MODE
ALKALI
CLEAN
ACIDIC
OUTFLOW STOP

### ❶ Select Mode

Select all the desired mode buttons of alkaline water, acid water, purified water

*Selection condition appears on the LCD window.

### ❷ Select Level

Step is changed whenever you press the **selected mode.**

*Selection condition appears on the LCD window.

### ❸ Water Outflow

Start water flow by pressing the water f**low on/off button.**

*Water flow condition appear on the display window.

### ❹ Water Outflow Stop

Stop water flow by pressing the water f**low on/off button.**

*Water flow condition appear on the display window.

## Type of TURBO Function [ Model No. : HI – 979S ]

The **TURBO fuction** allows you to create strong alkaline and strong acidic water.
Thes types of waters are ONLY to be used for cleaning, sanitizing, and disinfecting purposes.

**Don't Drink** Never drink these types of waters!!

**TURBO strong acidic water**

pH 2.5 ~ pH 3.5

Used to disinfect and sterilize

**TURBO strong alkali water**

pH 10.0 ~ pH 12.0

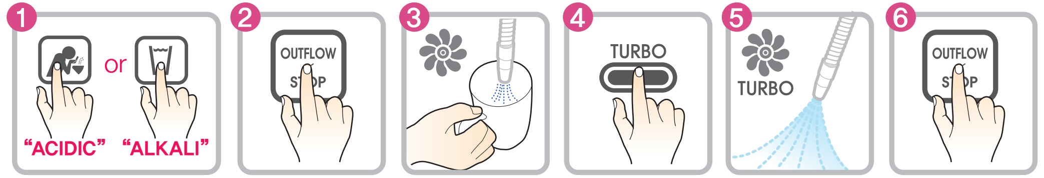
Used to remove stains from clothes and carpet.

## Caution

① The water produced in the TURBO modes is not intended for drinking. Never drink these types of waters.

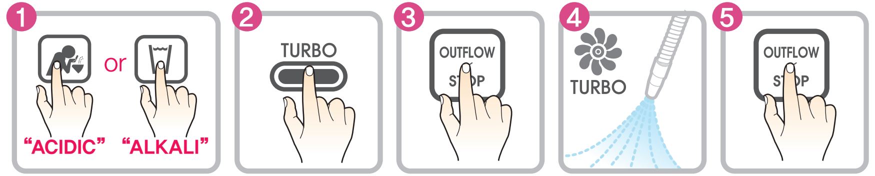
② Do not use the TURBO fuction for purposes other than those indicated on this card.

## How to use turbo The change to turbo functional water during use of(alkaline water/acid water)



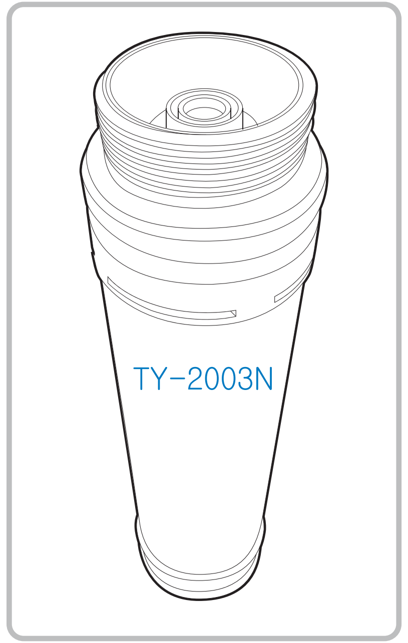
① Press **"ACIDIC"** or **"ALKALI"** icon. ········ No related to the level of acid water(1.2.) or water(1.2.3)
② Press **"OUTFLOW/STOP"** icon.
③ **OUTFLOW** ········ Start water flow by pressing the water flow on/off button.
④ Press **"TURBO"** icon. ········ The machine switches to its TURBO function and dispenses water.
⑤ **TURBO WATER OUTFLOW**
⑥ Press **"OUTFLOW/STOP"** icon. ········ Stop water flow by pressing the water flow on/off button

## How to use turbo The change to turbo functional water in stand-by condition



① Press **"ACIDIC"** or **"ALKALI"** icon. ········ No related to the level of acid water(1.2.) or water(1.2.3)
② Press **"TURBO"** icon. ········ The machine switches to its TURBO function and dispenses water.
③ Press **"OUTFLOW/STOP"** icon.
④ **TURBO WATER OUTFLOW**
⑤ Press **"OUTFLOW/STOP"** icon. ········ Stop water flow by pressing the water flow on/off button

## 1st : ACF Filter



Recommended filter replacement cycle: 3,600ℓ

■With the activated absorption method, it absorbs the harmful organic-chemical materials like chlorine, agrichemicals and detergents efficiently and eliminates bad smell, and remaining chlorines dissolved in the water.

Reference : Life of filter can vary greatly due to usage, water pressure, water quality and seasons. Filter has to be replaced sooner than scheduled time when water quantity reduces greatly or water taste changes for worse. This filter filters relatively large suspended matter like rust and sediment residual chlorine in water and volatile organic compounds.

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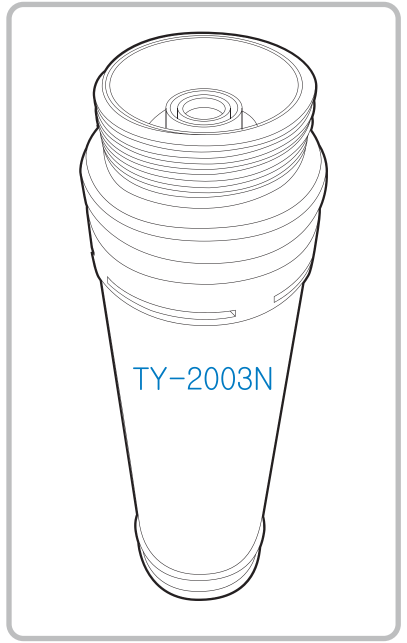
## 2nd : Ceramic Filter

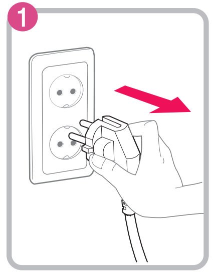


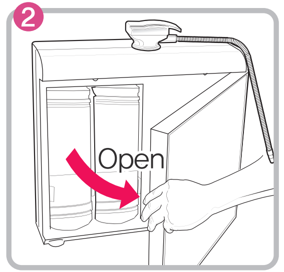
Recommended filter replacement cycle: 3,600ℓ

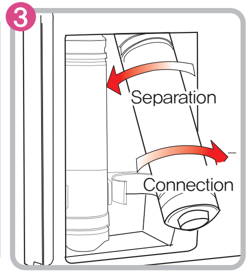
■Consisted with various ceramics, it has abundant minerals and absorbs and eliminates organic-chemical materials that were not filtrated through the 1 st filer, and changes water into clean and healthful water.

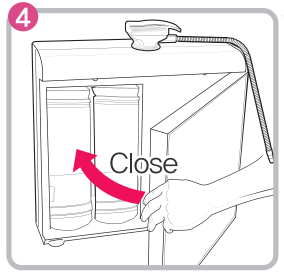
Reference : Life of filter can vary greatly due to usage, water pressure, water quality and seasons. Filter has to be replaced sooner than scheduled time when water quantity reduces greatly or water taste changes for worse. This filter filters relatively large suspended matter like rust and sediment residual chlorine in water and volatile organic compounds.

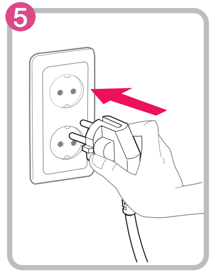
## Filter Replacement











① Unplug the power cord or turn power off to ensure safety.
Shut off the main valve on the water pipe or be certain that the faucet is off.

② Open the front door of the device.
⚠When opening the door, be careful not to get scratched from the sharp portions of the product.

③-1 Pull the filter towards you and then turn counter clockwise.

③-2 Install new filter by turning it clockwise.

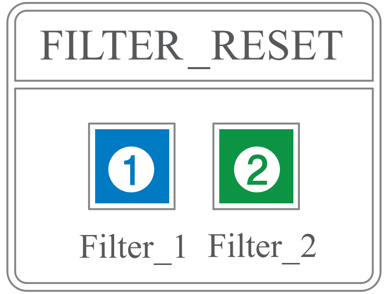
④ Close the door of the device.
⚠When opening the door, be careful not to get scratched from the sharp portions of the product.

⑤ Plug in the power cord and turn power switch on.

## Setting filter reset mode

① 1ST FILTER RESET
To initialize, push ① the Reset switch inside the door two times.
1st – voice message : "1st filter."
LCD : The indication (%) of current filter usage.
2nd – voice message : "Initializing was performed."
LCD : The indication (00%) of the initialization of filter amount.

② 2ND FILTER RESET
To initialize, push ② the Reset switch inside the door two times.
1st – voice message : "2nd filter."
LCD : The indication (%) of current filter usage.
2nd – voice message : "Initializing was performed."
LCD : The indication (00%) of the initialization of filter amount.



## How to replace a fuse

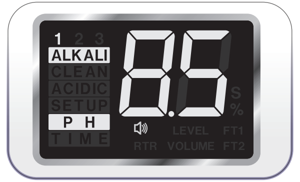
① Unplug the power cord.
② Turn the fuse case cap at the lower back of the product counterclockwise, and remove it.
③ Pull out a blown fuse, and insert a new fuse.
④ Turn the fuse case cap clockwise, and combine it.
⑤ Plug in.

⚠ Make sure to request a/s, and have an a/s engineer replace a fuse .
We don't assume no responsibility for any failures or disadvantages caused by the use of unauthorized parts.

The method for using this product is divided into several procedures according to pH levels.
Make sure to be well familiar with it since the functions for different stages are quite different.

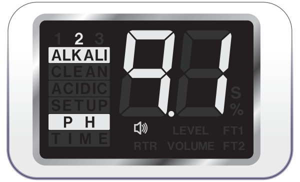
## Step–by–Step Direction for Using this Product ( HI–959 )

### ▶ALKALINE WATER



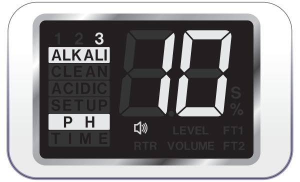
**Light alkaline water**

Suitable during the initial stage of drinking.



**Medium alkaline water**

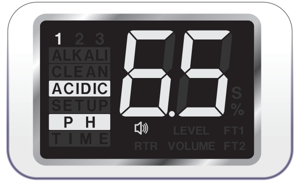
Used to make coffee or tea.
Used for watering plants.



**Strong alkaline water**

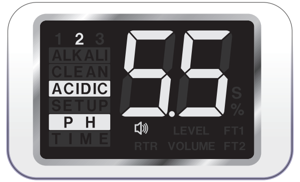
Used for cleaning vegetables and fruits.
Used for cooking soup dishes and rice.

### ▶ACIDIC WATER



**Light acidic water**

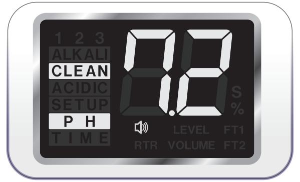
Do not drink!
Use when washing face, hands.



**Medium acidic water**

Do not drink!
Used for washing the dishes.
Used for cleaning vegetables and fruits.

### ▶CLEAN WATER

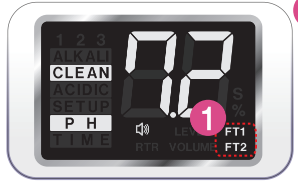


**Creates purified water**

Used for taking medications.
Used for baby formulas

## Step–by–Step Direction for Using this Product ( HI–959 )

### ▶OTHER ICON DISPLAY

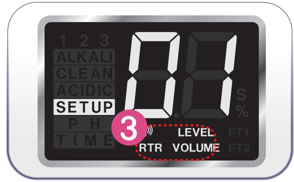


**① Filter F1, Filter F2**

Blinking "F1" and "F2" on the filters means that the filters should be replaced.

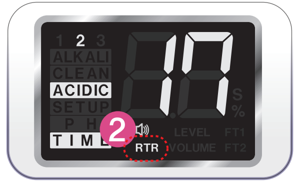
**1ST alarm** : More than 95% of usage. (blinking)

**2nd alarm** : More than 100% of usage. (voice message : Please exchange filters.)



**③ Other icon**

Water type selection appears on the LCD window.



**②RTR(Real Time Refresh) cleaning function (30 seconds)**

Allows for automatic cleaning of the inside of the electrolytic cell.

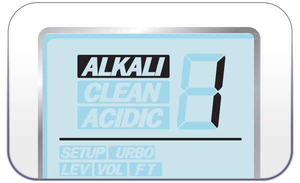
- Performed during water outflow after more than 12 hours of non–operation.
- Performed after 30 liters or more water outflow.

*Notification of cleaning mode is indicated when the **"RTR"** icon and back light begin flashing before each auto cleaning is performed.

The method for using this product is divided into several procedures according to pH levels.
Make sure to be well familiar with it since the functions for different stages are quite different.

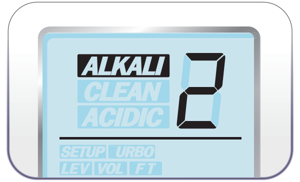
## Step–by–Step Direction for Using this Product ( HI–979S, HI–959S )

### ▶ALKALINE WATER


ALKALI
CLEAN
ACIDIC
1
SETUP TURBO
LEV VOL FT

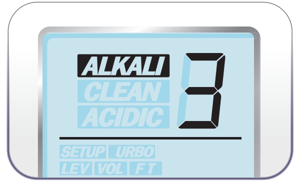
**Light alkaline water**

Suitable during the initial stage of drinking.


ALKALI
CLEAN
ACIDIC
2
SETUP TURBO
LEV VOL FT

**Medium alkaline water**

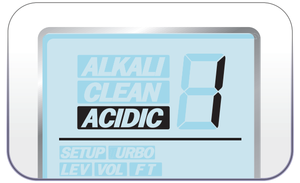
Used to make coffee or tea.
Used for watering plants.


ALKALI
CLEAN
ACIDIC
3
SETUP TURBO
LEV VOL FT

**Strong alkaline water**

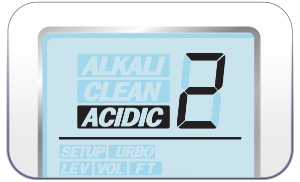
Used for cleaning vegetables and fruits.
Used for cooking soup dishes and rice.

### ▶ACIDIC WATER


ALKALI
CLEAN
ACIDIC
1
SETUP TURBO
LEV VOL FT

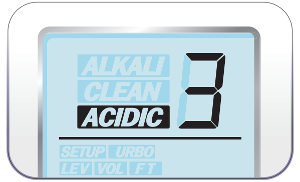
**Light acidic water**

Do not drink!
Use when washing face, hands.


ALKALI
CLEAN
ACIDIC
2
SETUP TURBO
LEV VOL FT

**Medium acidic water**

Do not drink!
Used for washing the dishes.
Used for cleaning vegetables and fruits.


ALKALI
CLEAN
ACIDIC
3
SETUP TURBO
LEV VOL FT

**Strong acidic water**

Do not drink!
Used for cleaning vegetables and fruits.
Used for cleaning dish towels.
Used for cleaning bathroom.

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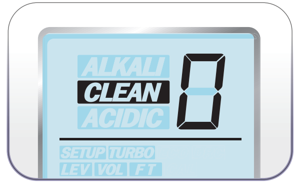
## Step–by–Step Direction for Using this Product ( HI–979S, HI–959S )

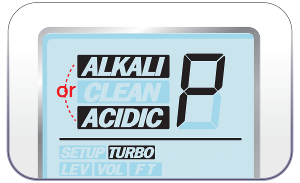
### ▶CLEAN WATER


ALKALI
CLEAN
ACIDIC
0
SETUP TURBO
LEV VOL FT

**Creates purified water**

Used for taking medications.
Used for baby formulas

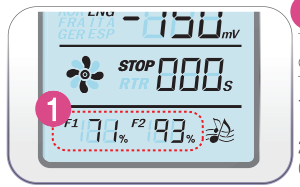
### ▶TURBO FUNCTION WATER [HI – 979S]


ALKALI
or
CLEAN
ACIDIC
P
SETUP TURBO
LEV VOL FT

TURBO **Turbo Function**
[Model No. :HI–979S, HI–959S]

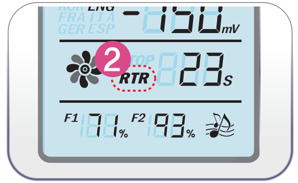
Do not drink!
Strong acid water, strong alkaline water with sterilizing, anti–bacterial, cleaning power is generated.

### ▶OTHER ICON DISPLAY


-150 mV
STOP 000 s
RTR
1
F1 71 % F2 93 %

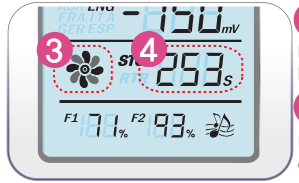
**① Filter F1, Filter F2**

The usage of filters appears, notifying you of when the filter needs to be changed.
Total usage is indicated by percentage.
**1ST alarm** : More than 95% of usage. (blinking)
**2nd alarm** : More than 100% of usage. (voice message : Please exchange filters.)


-150 mV
2
RTR 23 s
F1 71 % F2 93 %

**② RTR(Real Time Refresh)**

Allows for automatic cleaning of the inside of the electrolytic cell.
*Performed during water outflow after more than 12 hours of non–operation.
*Performed after 30 liters or more water outflow.
*Notification of cleaning mode is indicated when the **"RTR"** icon and back light begin flashing before each auto cleaning is performed.

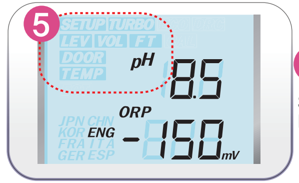

-150 mV
3
4
253 s
F1 71 % F2 93 %

**③ Water outflow indicator**

It shows the status while water is being produced.

**④ Time indicator**

It shows the remaining time for water outflow before safety shutoff is activated.

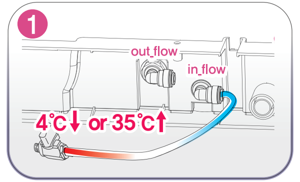

5
SETUP TURBO
LEV VOL FT
DOOR
TEMP
pH
8.5
ORP
JPN CHN
KOR ENG
FRA ITA
GER ESP
-150 mV

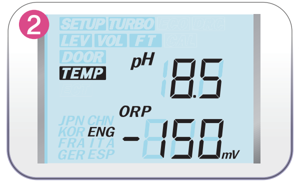
**⑤ Other icon**

Selected functional icon appears on the LCD window.

# Hot water sensing function

## Hot water sensing function

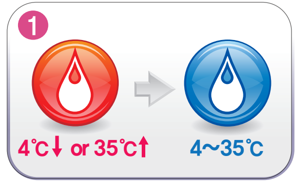

①
out flow
in flow
4℃↓ or 35℃↑

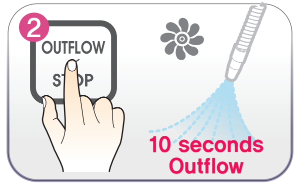

②
SETUP TURBO
LEV VOL F.T
DOOR
TEMP
pH
8.5
ORP
JPN CHN KOR ENG FRA ITA GER ESP
-150mV

① If the temperature of inflow raw water gets out of the scope of 4~35℃ and gets into the product, raw water supply is automatically shut off, and the operation stops.

② LCD: "TEMP" icon(blinking)

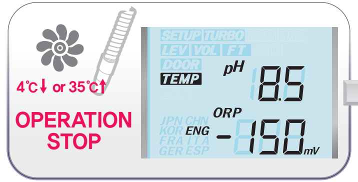
## How to release operation shut-off

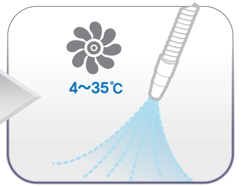



②
OUTFLOW STOP
10 seconds Outflow

① The raw water supplied changes to cold water

② Press the"Outflow/Stop" button for 3 seconds, and then the operationautomatically stops after 10 seconds of water outflow.
[If the standard temperature of inflow water reaches 4~35℃, the water outflow before 10 seconds stops.]


4℃↓ or 35℃↑
OPERATION STOP
TEMP
pH
8.5
ORP
ENG
-150mV



※If the temperature of inflow water doesn't reach standard temperature(4~35℃) for 10 seconds after water outflow, the operation stops.

LCD: "TEMP" icon(blinking)
Again, please follow "How to release shut-off"  "2"

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# Product Specifications

## HI-979S

| | | |
|---|---|---|
| Product Name | | WATER IONIZER |
| Model Name | | HI-979S |
| Purifying Mode | | Filter percolation |
| Rated Voltage | | AC100V~AC130V, AC200V~AC240V/50Hz~60Hz |
| Power Consumption | | Max. 150W |
| Available temperature | | 4~35℃ |
| Operating pressure range | | 1~5.0(kgf/㎠) |
| pH Levels | | 3 Alkaline, 1 Neutral, 3 Acidic, Turbo Alkalin, Turbo Acidic |
| Adjustable pH | | User-adjustable pH levels control |
| Filter | Quanrity of filter | 2 Filters System |
| | Replacement type | Revolving cartridge type |
| | Filter Life Display | LCD filter replacement display and announcement |
| Electrolyte cell | Quantity of Poles | 7 |
| | Materials | Platinum and Titanium |
| Product Size | | 393(W) × 132(D) × 360(H) |
| Product Weight | | 7.2kg |

## HI－959S

| | | |
|---|---|---|
| Product Name | | WATER IONIZER |
| Model Name | | HI－959S |
| Purifying Mode | | Filter percolation |
| Rated Voltage | | AC100V~AC130V, AC200V~AC240V/50Hz~60Hz |
| Power Consumption | | Max. 150W |
| Available temperature | | 4~35℃ |
| Operating pressure range | | 1~5.0(kgf/㎠) |
| pH Levels | | 3 Alkaline, 1 Neutral, 3 Acidic |
| Adjustable pH | | User－adjustable pH levels control |
| Filter | Quanrity of filter | 2 Filters System |
| | Replacement type | Revolving cartridge type |
| | Filter Life Display | LCD filter replacement display and announcement |
| Electrolyte cell | Quantity of Poles | 5 |
| | Materials | Platinum and Titanium |
| Product Size | | 393(W) × 132(D) × 360(H) |
| Product Weight | | 7.2㎏ |

## HI－959

| | | |
|---|---|---|
| Product Name | | WATER IONIZER |
| Model Name | | HI－959 |
| Purifying Mode | | Filter percolation |
| Rated Voltage | | AC100V~AC130V, AC200V~AC240V/50Hz~60Hz |
| Power Consumption | | Max. 150W |
| Available temperature | | 4~35℃ |
| Operating pressure range | | 1~5.0(kgf/㎠) |
| pH Levels | | 3 Alkaline, 1 Neutral, 2 Acidic |
| Adjustable pH | | User－adjustable pH levels control |
| Filter | Quanrity of filter | 2 Filters System |
| | Replacement type | Revolving cartridge type |
| | Filter Life Display | LCD filter replacement display and announcement |
| Electrolyte cell | Quantity of Poles | 5 |
| | Materials | Platinum and Titanium |
| Product Size | | 393(W) × 132(D) × 360(H) |
| Product Weight | | 7.2㎏ |

# Things to be check before requesting service–Troubleshooting

Before requesting after–sales service, be sure to check the following

| Symtoms | Checkpoints | Measures to be Taken |
|---|---|---|
| Water tastes abnormal | Check the product for the period of use. | Operate the product so that it should be drained of stagnant water for one minute. |
| | Check the filter for replacement time intervals. | Request that the filter should be replaced. |
| No water outflow<br>Amount of water generated different from specified | Be sure water is on.. | Open the valve. |
| | Check if the hose is bent or folded. | Stretch out the hose. |
| | Check if flow rate is below (1 ℓ /min or slower) | Contact our A/S center to install a water pump. |
| | Check if water supply is cut off or if the water supply line is frozen. | Wait until water comes out of the water supply pipe. |
| | Check the purifying filter for being clogged. | Replace the filter. |
| Incorrect pH levels<br>(pH samples are provided on a fee–for–service basis) | Check water supply line for hardnes. | The pH levels may vary depending on regions and water quality. |
| | Check flow rates for higher levels. | Slow down water supply. |
| | Check if the amount of water drained is small. | Set the system.(Request for after–sales service). |
| The filter replacement icon remains turned on even after the filter has been replaced. | Check if the filter flow rate is initialized. | Initialize the filter flow rate in the System Setting Mode.<br>Request for after–sales service. |
| The product automatically stops while it is producing reduction water. | Check if the continuous operating time exceeds 15 minutes. | Water production stops automatically in 15 minutes in order to prevent accidental flood. |
| Leaks from the filter or product | Check the filter for proper mounting. | Immediately deplug the power cord and request for after–sales service. |
| | Check for the inside of the product with the exception of the filter for any leaks | |
| Hazy substance settles down on the bottom of the bottle filled with reduction water | Check if calcium ions and carbonic acids bond together in water, forming deposits. | Depending on raw water quality, calcium minerals in raw water are extracted. There is no problem in drinking the calcium minerals in water. However, it is recommended that the customer should request for after–sales service to protect the product units in the case where such calcium minerals are generated in a continuous manner. |
| The product doesn't operate in Cleaning Mode | Check if the amount of working water exceeds 30ℓ . | The product returns to the normal condition after performing auto cleaning for 15 seconds. |
| | Check if the operating time exceeds 12 hours. | |
| | Check if the Cleaning Icon is pressed. | |

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# Product Warranty

1. This product is warranted for one year (12 months). Any manufacturing defects or spontaneous failures that may occur during the warranty period will be repaired or replaced at no charge.
2. If any failure occurs, please call for service.
3. In the following cases, the customer shall pay repair or replacement costs .
   - In the case where a failure occurs resulting from improper use or negligence by the customer.
   - In the case where repairs or modifications are performed by non–authorized representatives.
   - In the case where a failure due to natural disasters (fires, salt damage, damage from natural gas, earthquakes, floods, lightning, and etc.)
   - In the case of absence of the product warranty or no information is provided in the warranty.
   - Usage other than domestic use.
4. We shall charge the customer for repairs and replacement costs against failures after the warranty period expires (one year after the date of purchase).
5. Our customers are asked to show their warranty to us when requesting after–sales service.
6. This warranty will not be reissued. Make sure to keep it in a safe place.

| | | | | | |
|---|---|---|---|---|---|
| Product Name | Water Ionizer | Warranty Period | Customer's Name / Phone | | |
| Product Name | □HI–979S<br>□HI–959S □HI–959 | One Years from the Date of Purchase [12months] | Customer's Address | | |
| Date of Purchase | | | Installation Engineer Name | | |

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Gyeongsangnam–do, Korea
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www.tyent.co.kr

We cannot accept any responsibility or liability for errors and/or problems rising from the customer's use of parts that aren't manufactured by our company.